

Applicant: Wilson-Nguyen *et al.*
For: TEXTILE ELECTRONIC CONNECTION SYSTEM

ABSTRACT OF DISCLOSURE

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A textile electronic connection system wherein a knitted, woven, or braided textile ribbon includes integrated transmission elements running the length of the ribbon to transmit data and/or power along the length of the ribbon. A fastener connects the ribbon to another ribbon or device and includes a male portion and a female portion. One of the male portion and the female portion is on one end of the ribbon and the other of the male portion and the female portion is on the other ribbon or device. At least one of the male portion and the female portion includes a deformable element which releasably locks the male and female portions together. A connector is integrated with the fastener portions and connected to the integrated transmission elements to quickly allow connection and disconnection of the ribbon to the other ribbon or device in a robust and reliable fashion.

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